

PATENT SPECIFICATION

DRAWINGS ATTACHED

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Inventor: DAVID BUTTON.

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GREAT BRITAIN
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CLASS

COMPLETE SPECIFICATION

Improvements in Liquid Temperature Gauges and Level Gauges

We, U.C.C. FILTERS (HYDRAULICS) LIMITED, a Body Corporate organised under the Laws of Great Britain, of P.O. Box No. 3, Industrial Estate, Thetford, Norfolk, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

10 This invention relates to liquid temperature gauges and level gauges, and more particularly to such gauges for use on bulk storage containers for liquids.

Direct reading thermometers for placing 15 in contact with bulk stored liquids are well known per se, and level indicators are conventional with bulk storage containers. There are circumstances where it is desirable that both of these factors shall be 20 readily ascertained upon simple inspection without requiring access to the interior of the container. Moreover, for accurate reading of the temperature of the liquid, as distinct from the external temperature of the 25 container which may be somewhat lower, it is desirable that the temperature gauge shall be in direct contact with the liquid.

It is accordingly the object of the present invention to provide an improved 30 construction of device incorporating both a liquid temperature gauge and a liquid level gauge and wherein both of the gauges may be read at the same instant by simple inspection, and wherein the temperature 35 gauge is automatically always in direct contact with the liquid if the required level is maintained.

According to the present invention, a 40 combined liquid temperature gauge and liquid level gauge comprises a common housing incorporating inlet and outlet passage means and having a transparent inspection window, a thermometer disposed within the hollow space of the housing, first

scale means for the thermometer and second 45 is to be performed, to be particularly disposed within the housing and visible through the inspection window.

With such an arrangement, both the temperature and the liquid level can be in- 50 spected and gauged through the inspection window in a simultaneous reading of the device, and the thermometer is in the flow of liquid within the housing and thus in direct contact with the bulk of liquid to 55 be gauged.

In a convenient arrangement the inlet and outlet passage means are incorporated in means for mounting of the housing upon a wall of a container, whereby the interior 60 of the housing may be placed in communication with the interior of the container. In a preferred embodiment, the mounting means are two bolts positioned through the housing and with their head at the front of 65 the housing, each bolt including passage means leading from an opening at the tail end of the bolt to another opening adjacent the head of the bolt and communicating 70 with the interior of the housing.

The housing may be constituted by a plurality of elements retained in assembly by the bolts, and in a preferred embodiment each bolt carries a nut and the two bolts serve to secure in assembled condition an apertured cover, a transparent window, gasket means and a backplate. 75

In order that the nature of the invention may be readily ascertained, an embodiment of combined temperature gauge and liquid 80 level gauge constructed in accordance therewith is hereinafter particularly described by way of non-limiting example, with reference to the figure of the accompanying drawing, wherein:— 85

Figure 1 is a front elevation;

Figure 2 is a side elevation partially in section.

[Price 4s. 6d.]

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Spec 20-11

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COMPLETE SPECIFICATION

1 SHEET

This drawing is a reproduction of the Original on a reduced scale.

Fig. 1.

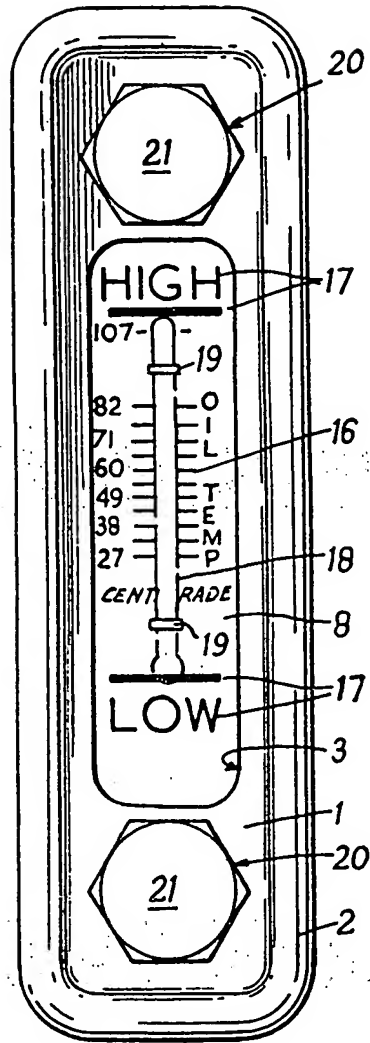


Fig. 2.

